



PRESS RELEASE

NATIONAL AGRICULTURAL STATISTICS SERVICE

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January 1 Honey Bee Colonies Up 1 Percent for Operations with Five or More Colonies

Honey bee colonies for operations with five or more colonies in the United States on January 1, 2019 totaled 2.67 million colonies, up 1 percent from January 1, 2018. During 2018, honey bee colonies on January 1, April 1, July 1, and October 1 were 2.64 million, 2.67 million, 2.96 million, and 2.87 million colonies, respectively.

Honey bee colonies lost for operations with five or more colonies from January through March 2019, was 408 thousand colonies, or 15 percent. During the quarter of October through December 2018, colonies lost totaled 445 thousand colonies, or 16 percent, the highest number lost of any quarter in 2018. The quarter in 2018 with the lowest number of colonies lost was April through June, with 355 thousand colonies lost, or 13 percent.

Honey bee colonies added for operations with five or more colonies from January through March 2019 was 248 thousand colonies. During the quarter of April through June 2018, 676 thousand colonies were added, the highest number of honey bee colonies added for any quarter of 2018. The quarter of October through December 2018 added 220 thousand colonies, the least number of honey bee colonies added for any quarter of 2018.

Honey bee colonies renovated for operations with five or more colonies from January through March 2019 was 180 thousand colonies, or 7 percent. The quarter in 2018 with the highest number of colonies renovated was April through June with 740 thousand colonies renovated, or 28 percent. The quarter in 2018 with the lowest number of colonies renovated was October through December 2018, with 155 thousand, or 5 percent. Renovated colonies are those that were requeened or received new honey bees through a nuc or package.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: January 1, 2018 and January-March 2018

State	January 1 number of colonies	January-March					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho	164,000	168,000	22,000	13	2,500	2,600	2
Oregon.....	81,000	89,000	4,800	5	16,500	3,900	4
Washington.....	44,000	90,000	4,600	5	7,000	870	1
United States	2,635,220	(X)	438,030	17	511,320	289,200	11

(X) Not applicable.

¹ January 1 number of colonies plus all colonies moved into that state during the quarter.

² Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the January 1 number of colonies.

³ Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

⁴ Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the January 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: April 1, 2018 and April-June 2018

State	April 1 number of colonies	April-June					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho	59,000	94,000	6,500	7	14,500	29,000	31
Oregon.....	41,000	107,000	3,400	3	17,500	24,000	22
Washington.....	55,000	122,000	7,500	6	15,500	19,000	16
United States	2,665,880	(X)	355,270	13	676,360	740,350	28

(X) Not applicable.

¹ April 1 number of colonies plus all colonies moved into that state during the quarter.

² Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the April 1 number of colonies.

³ Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

⁴ Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the April 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: July 1, 2018 and July-September 2018

State	July 1 number of colonies	July-September					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho	82,000	101,000	14,000	14	15,000	21,000	21
Oregon.....	116,000	117,000	13,000	11	3,000	49,000	42
Washington.....	76,000	84,000	12,000	14	7,000	3,600	4
United States	2,958,790	(X)	377,120	13	263,560	420,780	14

(X) Not applicable.

¹ July 1 number of colonies plus all colonies moved into that state during the quarter.

² Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the July 1 number of colonies.

³ Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

⁴ Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the July 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: October 1, 2018 and October-December 2018

State	October 1 number of colonies	October-December					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho	99,000	159,000	15,000	9	9,000	910	1
Oregon	89,000	101,000	13,000	13	10,500	12,000	12
Washington	75,000	81,000	11,000	14	5,500	1,400	2
United States	2,868,970	(X)	444,730	16	219,640	154,560	5

(X) Not applicable.

¹ October 1 number of colonies plus all colonies moved into that state during the quarter.

² Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the October 1 number of colonies.

³ Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

⁴ Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the October 1 number of colonies.

Number of Colonies, Maximum, Lost, Percent Lost, Added, Renovated, and Percent Renovated with Five or More Colonies—Idaho, Oregon, Washington, and United States: January 1, 2019 and January-March 2019

State	January 1 number of colonies	January-March					
		Maximum colonies ¹	Lost colonies	Percent lost ²	Added colonies	Renovated colonies ³	Percent renovated ⁴
	(number)	(number)	(number)	(percent)	(number)	(number)	(percent)
Idaho	132,000	145,000	12,500	9	4,600	1,100	1
Oregon	89,000	95,000	7,500	8	8,000	1,800	2
Washington	51,000	75,000	7,000	9	5,500	2,200	3
United States	2,671,470	(X)	407,700	15	247,710	179,500	7

(X) Not applicable.

¹ January 1 number of colonies plus all colonies moved into that state during the quarter.

² Percent lost is the number of lost colonies divided by maximum colonies except for the United States, where percent lost is the number of lost colonies divided by the January 1 number of colonies.

³ Defined as any surviving colony that was requeened or received new honey bees through nuc or package.

⁴ Percent renovated is the number of renovated colonies divided by maximum colonies except for the United States, where percent renovated is the number of renovated colonies divided by the January 1 number of colonies.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: January-March 2018

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	28.3	5.7	0.8	3.4	3.4	0.4
Oregon.....	36.0	0.7	1.2	6.7	3.7	1.0
Washington.....	8.5	0.9	1.0	1.9	0.4	0.4
United States	40.7	12.7	4.3	10.3	8.7	7.1

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

² Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

³ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: April-June 2018

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	51.6	3.7	3.0	18.5	4.1	4.4
Oregon.....	46.1	3.5	8.1	6.6	15.6	0.2
Washington.....	55.9	9.4	7.6	7.6	7.1	0.6
United States	56.4	19.4	11.6	13.3	14.7	9.3

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

² Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

³ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: July-September 2018

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	83.6	5.4	14.6	26.5	13.8	5.7
Oregon.....	57.2	2.8	7.0	45.1	10.7	0.8
Washington.....	7.1	0.6	0.6	2.7	9.9	2.8
United States	53.8	15.2	6.4	15.7	13.9	4.7

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

² Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

³ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: October-December 2018

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	64.9	47.4	9.6	15.9	7.0	4.5
Oregon	44.1	4.6	16.0	14.8	0.9	0.2
Washington	34.5	0.5	11.7	4.9	3.3	1.3
United States	50.5	20.3	10.4	13.8	8.4	6.5

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

² Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

³ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

Colony Health Stressors with Five or More Colonies—Idaho, Oregon, Washington, and United States: January-March 2019

[Percent of colonies affected by stressors anytime during the quarter. A colony may be affected by multiple stressors during the quarter]

State	Varroa mites	Other pests and parasites ¹	Diseases ²	Pesticides	Other ³	Unknown
	(percent)	(percent)	(percent)	(percent)	(percent)	(percent)
Idaho	24.5	8.0	8.0	9.2	8.6	(Z)
Oregon	18.0	0.1	0.2	0.2	2.7	0.5
Washington	22.3	0.8	0.6	0.3	0.8	0.2
United States	45.6	14.8	7.1	13.6	9.0	5.2

(Z) Less than half of the unit shown.

¹ Tracheal mites, nosema, hive beetle, wax moths, etc.

² Includes American and European foulbrood, chalkbrood, stonebrood, paralysis (acute and chronic), kashmir, deformed wing, sacbrood, IAPV, Lake Sinai II, etc.

³ Includes weather, starvation, insufficient forage, queen failure, hive damage/destroyed, etc.

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